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ABSTRACT

Technology's impact on society is growing everyday. The need to include technology education as core material for all students has been recognized by educators around the world. This book is a practical guide to using the problem-solving approaches integral to the design process in order to integrate technology education into all subject areas for students in grades 6-9. Activities are provided that launch students into their exploration of technology in the context of various subject topics. Partnerships between technology educators and other subject teachers are encouraged so that outcomes central to all curriculum needs are met. The open-ended nature of the activities, along with abundant group work opportunities, make them ideal for use with students of varying abilities and experience. The book includes a teacher support section, and a student activities section with 40 activities divided into four units that integrate technology with other subject areas: (1) language arts, family studies, and art; (2) mathematics and science; (3) self and society, history, language arts, and art; and (4) self and society, geography, and social studies. Appendices include: safety quiz and contract, glossary of design and technology terms, student handouts, teacher support materials, list of useful resources, answers to safety quiz, and a description of the "Teachers Helping Teachers" series. (Author/SWC)

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